Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. (currently amended) A method for color correction of a digital image, the method comprising:

    determining digital image color correction parameters for a digital image;

    determining image exception characteristics; and,

    applying the correction parameters to the digital image in response to the image exception characteristics wherein said applying the correction parameters comprises varying the attenuation of a correction in response to pixel position wherein the attenuation is changed as the pixel position changes from a non-self-luminous region to a self-luminous region or from a self-luminous region to a non-self-luminous region.

2. (original)A method as described in claim 1 wherein determining image exception characteristics comprises determining an image self-luminous region.

3. (original)A method as described in claim 1 wherein determining image exception characteristics comprises determining a color distribution property.

4. (withdrawn) A method as described in claim 1 wherein determining image exception characteristics comprises determining an unlikely gamut.

5. (withdrawn) A method as described in claim 1 wherein determining image exception characteristics comprises determining a small gamut.

6. (withdrawn) A method as described in claim 1 wherein determining image exception characteristics comprises determining the presence of multiple illuminants.

7. (original) A method as described in claim 1 wherein determining image exception characteristics comprises determining the identity of at least one illuminant.

8. (canceled)

9. (currently amended) A method as described in claim 1 wherein said applying the correction parameters comprises omitting said correction in one of a non-self-luminous region and a self-luminous region applying the correction parameters to the digital image in response to the image exception characteristics comprises omitting any correction.

10. (withdrawn) A method as described in claim 1 wherein applying the correction parameters to the digital image in response to the image exception characteristics comprises using a plurality of corrections.

11. (currently amended) A method as described in claim 1 wherein said applying the correction parameters to the digital image in response to the image exception characteristics comprises differential application of a correction.

12. (withdrawn) A method as described in claim 1 wherein applying the correction parameters to the digital image in response to the image exception characteristics comprises selection and application of alternate correction methods.

13. (canceled)

14. (original) A method as described in claim 1 wherein applying the correction parameters to the digital image in response to the image exception characteristics comprises chromaticity variance of a correction.

15. (original) A method as described in claim 2 wherein detecting an image self-luminous region comprises determining the luminance of at least one element, determining the chromaticity of a region and determining the spatial position of a region.

16. (original) A method as described in claim 2 wherein detecting an image self-luminous region comprises determining the chromaticity of at least one element.

17. (original) A method as described in claim 2 wherein detecting an image self-luminous region comprises determining the spatial position of at least one element.

18. (original) A method as described in claim 1 wherein said applying the correction parameters comprises varying the attenuation of a correction in response to pixel position wherein the attenuation is changed linearly as the pixel position changes from a non-self-luminous region to a self-luminous region.

19. (original) A method as described in claim 1 wherein said applying the correction parameters comprises varying the attenuation of a correction in response to pixel position wherein the attenuation is changed non-linearly as the pixel position changes from a non-self-luminous region to a self-luminous region.

20. (canceled)

21. (canceled)

22. (canceled)

23. (original) The method of claim 2 wherein detecting a self-luminous region comprises detecting a position of at least one element relative to the top image spatial boundary.

24. (original) The method of claim 2 wherein detecting a self-luminous region comprises

    detecting the position of at least one element relative to image boundaries.

25. (withdrawn) A method as described in claim 1 wherein;

    determining image exception characteristics comprises detecting a small color gamut distribution across the set of pixels; and,

    modifying the correction parameters comprises attenuating the correction in response to detecting a small color gamut distribution.

26. (withdrawn) A method as described in claim 2 wherein;

    calculating digital image correction parameters includes calculating a first correction and a second correction; and

    using a plurality of corrections includes applying the first correction to self-luminous regions and applying the second correction to non-self-luminous regions.

27. (withdrawn) The method as described in claim 1 wherein

    determining image exception characteristics comprises detecting a plurality of illuminants illuminating a common image region;

    calculating digital image correction parameters includes calculating a plurality of corrections corresponding to the plurality of illuminants; and,

    the plurality of corrections are used to create a single modified correction, which is applied to the common image region.

28. (currently amended) A system for color correction of a digital image, the system

    comprising:

        a parameter identifier for determining digital image color correction parameters

for a digital image;

        a characteristic identifier for determining image exception characteristics; and,

        a correction processor for applying the correction parameters to the digital image

in response to the image exception characteristics <u>wherein said applying the correction</u>

<u>parameters comprises varying the attenuation of a correction in response to pixel position</u>

<u>wherein the attenuation is changed as the pixel position changes from a non-self-</u>

<u>luminous region to a self-luminous region or from a self-luminous region to a non-self-</u>

<u>luminous region</u>.

29. (canceled)

30. (new) A method for color correction of a digital image, the method comprising:

        determining a digital image color correction parameter for a digital image;

        determining an image exception characteristic; and,

        applying the correction parameter to the digital image in response to the

    image exception characteristic wherein said applying the correction parameter

    comprises varying the attenuation of a correction in response to pixel position

    wherein the attenuation is changed linearly as the pixel position changes from a

    non-self-luminous region to a self-luminous region.

31. (new) A method for color correction of a digital image, the method comprising:

determining a digital image color correction parameter for a digital image;

determining an image exception characteristic; and,

applying the correction parameter to the digital image in response to the image exception characteristic wherein said applying the correction parameter comprises varying the attenuation of a correction in response to pixel position wherein the attenuation is changed non-linearly as the pixel position changes from a non-self-luminous region to a self-luminous region.